

**I CLAIM:**

1. A multi-layer collagen article useful for wound healing, comprising at least two layers; wherein at least one layer, facing the wound side, is comprising an effective amount of non or partially cross-linked collagen; and at least one layer comprising an effective amount of highly cross-linked collagen matrices.
2. A multi-layer collagen article useful for wound healing as claim 1, wherein said multi-layer wound healing dressing comprising at least one sponge collagen matrix.
3. A multi-layer collagen article useful for wound healing as claim 1, wherein said a multi-layer wound healing dressing comprising at least one thin membranal collagen sheet.
4. A method for the production of collagen article, as defined in one of the previous claims, comprising but not limited to the operations of preparing non-crosslinked collagens; non-enzymatic glycosylating said matrices; integrating the layers by means of thermally reconstituting said formed collagen fibers by monosaccharide-aldehyde; washing and lyophilizing said formed crossed-linked layer, and dressing a wound, wherein the smooth surface of the collagen non or partially crossed-linked collagen layer is facing the surface of said wound.
5. A method of enhancing wound healing, by means of administrating a multi-layer collagen, as defined in claims 1 to 4.
6. As claim 6, wherein said collagen wound healing dressing administrated onto wounds, cuts or burns in dermal or dental injured tissues.